

## ZR45KC-TFD

HCFC, R-22, 50Hz, 3- Phase, 380/420 V

Air Conditioning



**Production Status:** Available for sale to all U.S. customers. Please check with your local Emerson Climate Technologies Representative for international availability.

### Performance

|                                       |                       |          |
|---------------------------------------|-----------------------|----------|
| Evap(°F)/Cond(°F)                     | 45 / 130              | 45 / 100 |
| RG(°F)/Liq(°F)                        | 65 / 115              | 65 / 85  |
| Capacity (Btu/hr)                     | 37900                 | 44500    |
| Power (Watts):                        | 3320                  | 2290     |
| Current (Amps):                       | 6.10                  | 4.80     |
| EER (Btu/Wh):                         | 11.40                 | 19.40    |
| Mass Flow (lbs/hr):                   | 555                   | 575      |
| Sound Power (dBA):                    | 68 Avg                | 73 Max   |
| Vibration (mils(peak-<br>Record Date: | 2.0 Avg<br>2004-06-07 | 3.0 Max  |

### Mechanical

|   |       |                              |         |
|---|-------|------------------------------|---------|
| Number of Cylinders:  | 0     | Displ(in <sup>3</sup> /Rev): | 3.73    |
| Bore Size(in):  | 0.00  | Displ(ft <sup>3</sup> /hr):  | 375.19  |
| Stroke(in):   | 0.00  |                              |         |
| Overall Length (in):  | 9.57  | Mounting Length (in):        | 7.50    |
| Overall Width (in):   | 9.57  | Mounting Width (in):         | 7.50    |
| Overall Height (in):  | 16.95 | Mounting Height (in):        | 17.18 * |
| Suction Size (in):  |       | 7/8 Stub                     |         |
| Discharge Size (in):  |       | 1/2 Stub                     |         |
| Oil Recharge (oz):  |       | 42                           |         |
| Initial Oil Charge (oz):  |       | 46                           |         |
| Net Weight (lbs):   |       | 62                           |         |
| Internal Free Volume (in <sup>3</sup> ):  |       | 205.0                        |         |
| Horse Power:  |       | 3.5                          |         |
| *Overall compressor height on Copeland Brand Product's specified mounting grommets. |       |                              |         |

### Electrical

|   |      |                        |      |               |             |
|---|------|------------------------|------|---------------|-------------|
| LRA-High*:  | 48.0 | MCC (Amps):            | 10.0 | UL File No:   | SA-2337     |
| LRA-Half Winding:   |      | RPM:                   |      | UL File Date: | 14-Jun-1994 |
| LRA Low*:   | 43.0 | Max Operating Current: | 7.45 |               |             |
| RLA(=MCC/1.4;use for contactor selection):  |      | 7.1                    |      |               |             |
| RLA(=MCC/1.56;use for breaker & wire size   |      | 6.4                    |      |               |             |
| *Low and High refer to the low and high nominal voltage ranges for which the motor is approved. |      |                        |      |               |             |

### Alternate Applications

| Refrigerant | Freq (Hz) | Phase | Voltage | Application      |
|-------------|-----------|-------|---------|------------------|
| R-22 HCFC   | 60        | 3     | 460     | Air Conditioning |

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